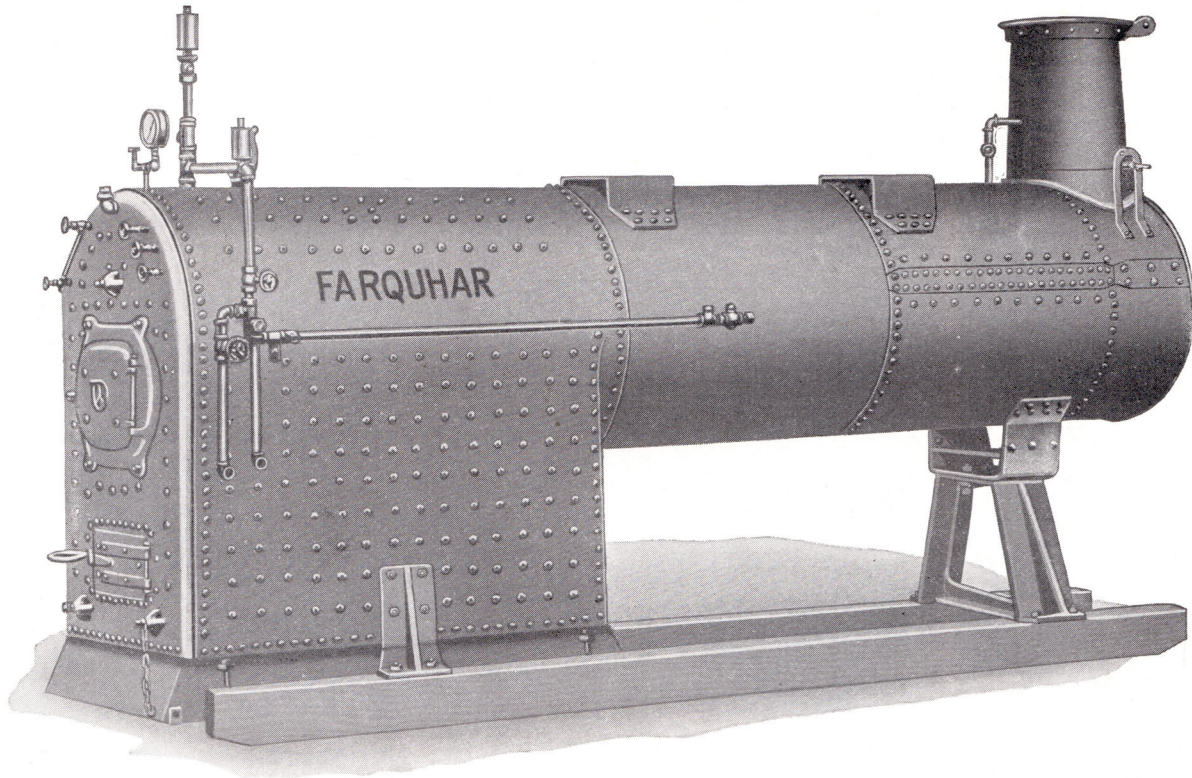


FARQUHAR



FARQUHAR DEEP FIRE BOX LOCOMOTIVE BOILERS

This type of Boiler is especially adapted as a wood burner and develops wonderful power. Has extra deep fire box, two fire doors and extra large grate surface. Heavy draft and ample fuel capacity insure a hot fire and, with larger heating surface, is a quick and easy steamer. Furnished regularly without dome but can be built with dome on order. The code calls for boilers 50 H. P. and larger to have two boiler feeds. Boilers can be mounted on wheels.

REGULAR EQUIPMENT

GRATES

STACK SADDLE

STACK DAMPER UP TO AND
INCLUDING 40 H. P.

GAUGE COCKS

WOOD SILLS

BLOW-OFF VALVE

WATER GAUGES

GLOBE VALVE WITH BLOWER

STEAM GAUGE

WATER GAUGE

WHISTLE AND PIPE

ASH PAN UP TO AND
INCLUDING 30 H. P.

SMOKE BOX, RING
AND DOOR

FIRE DOORS

FUNNEL

FLUE CLEANER

POKER

EXTRAS TO ORDER

SMOKE STACK

SPARK ARRESTER

TWO INJECTORS ON BOILERS 50 H. P.

JACKETING

OIL BURNING ATTACHMENT

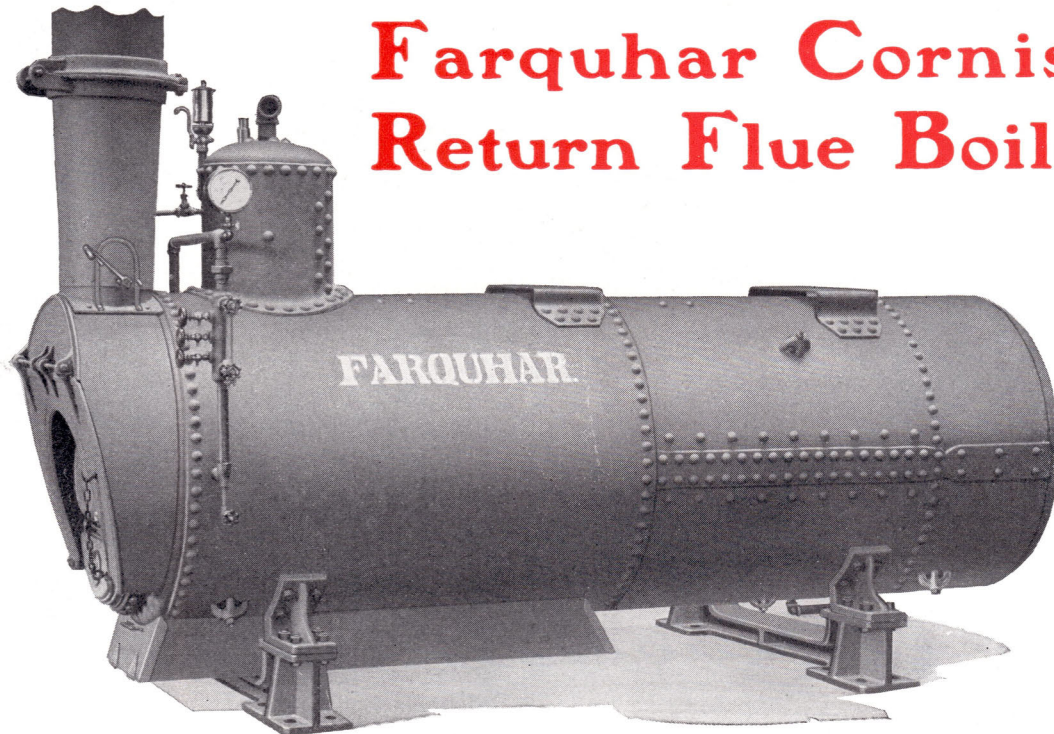
ONE INJECTOR ON BOILERS UNDER 50 H. P.

ASH PAN ON BOILERS LARGER
THAN 30 H. P.

DEEP FIRE BOX BOILER										
Rated Horse Power	Waist Diameter	Fire Box			Number	Tubes		Stack		Approximate Weight, Pounds
		Height	Length	Width		Diameter	Length	Diameter	Length	
25	33"	48"	48"	28"	58	2"	75"	15"	18'	6400
30	36"	48"	60"	31"	62	2"	84"	18"	18'	7360
40	39"	48"	64"	34"	82	2"	96"	19"	20'	8660
50	42"	54"	64"	36"	92	2"	108"	22"	22'	11200

FARQUHAR

Farquhar Cornish Return Flue Boiler



The Farquhar Economy or Cornish Return Flue Boiler is a thoroughly dependable, A. S. M. E. Boiler of 125 pounds safe working pressure. It is designed for a wide range of uses.

This Farquhar Cornish is a quick, easy steaming Return Flue Boiler. Produces more steam with less fuel than any other type of boiler. It is favored by industrial plants such as Creameries, Milk Stations, Sawmills, Laundries, Cleaning and Dyeing Plants, Brick and Tile factories, Road Builders, Canneries, and in fact wherever steam is used for power or heat. It is quickly, easily and economically installed. Will burn coal, oil, long slabs, sawdust, shavings and offal from sawmills and planing mills.

This Cornish is a high class and serviceable Boiler. Material and construction are carefully inspected by an authorized inspector. Each boiler is rigidly tested by hydrostatic pressure equal to one and one-half times the working pressure and finally under its own steam. The water in this boiler circulates freely. Maintains ample flexibility to carry fluctuating loads. Boiler is easily accessible for inspection and cleaning. Sufficient handholes are provided to keep the boiler clean and in the best operating condition.

The boiler plate is made of open-hearth homogenous flange and fire-box steel, having a tensile strength of from 55,000 to 65,000 lbs. per square inch. Rivets are of the button-head type, made of extra soft rivet steel and driven by multi-pressure hydraulic riveters and permitted to cool and shrink under pressure. Tubes are lap-welded steel, especially adapted to withstand corrosion. Pipe openings are re-inforced thereby affording an ample number of threads to insure strong, tight joints. All horizontal seams are of the double butt-strap construction and double or triple riveted. These Boilers can be mounted on wheels.

REGULAR EQUIPMENT

STACK SADDLE
STACK DAMPER
REAR CLEANING DOOR AND FRAME
FRONT WITH FLUE DOORS
FIRE DOOR AND DRAFT DOOR
WOOD SILLS

WATER GAUGE WITH COMBINATION WATER
COLUMN WITH PIPE CONNECTIONS
STEAM GAUGE WITH SYPHON
GAUGE COCKS
SAFETY VALVE
BLOW-OFF VALVE AND PIPE

GLOBE VALVE WITH BLOWER
ASH PAN
WHISTLE AND PIPE
FLUE CLEANER
POKER
FUNNEL

EXTRAS TO ORDER

INJECTOR
SMOKE STACK
CAST IRON CRADLES

SPARK ARRESTER
SAWDUST PLUGS

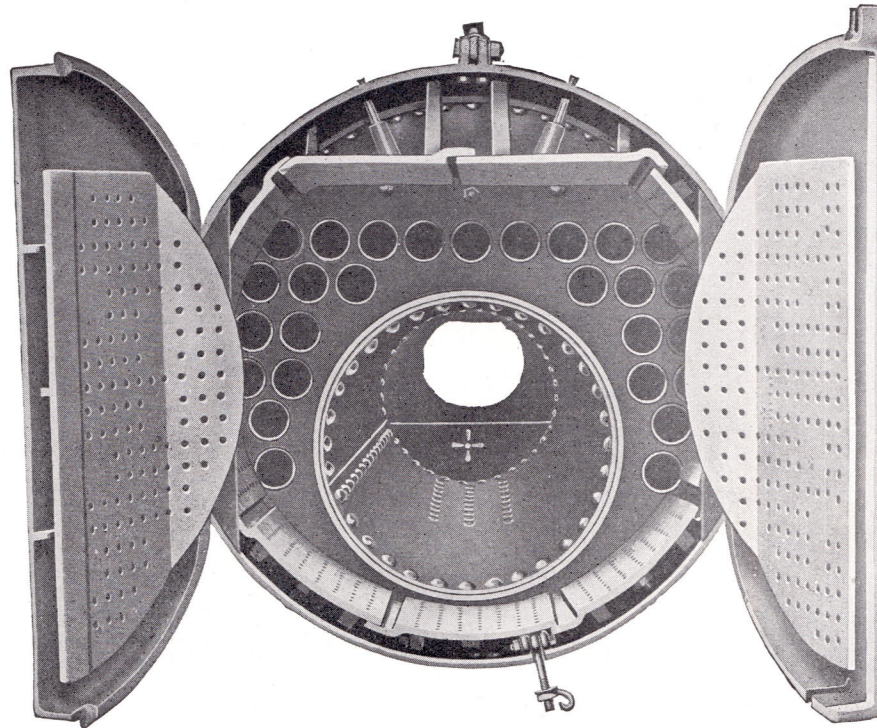
JACKETING OF SHELL AND DOME
COAL GRATES
OIL BURNING ATTACHMENT

FARQUHAR

Sawdust Plug for



Cornish Boiler



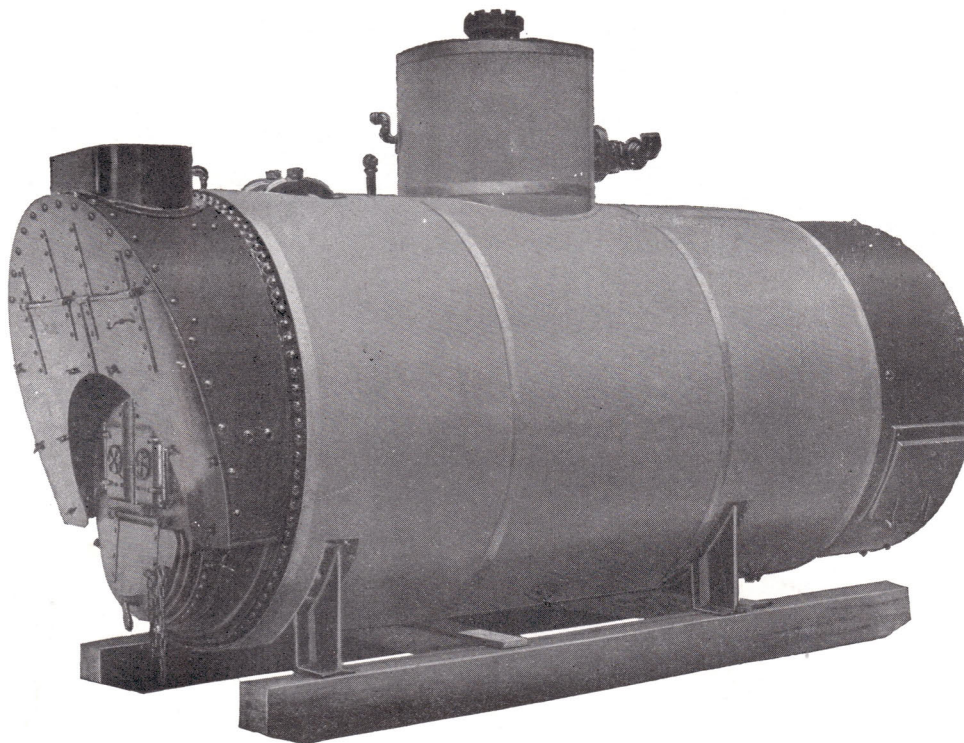
The furnace or fire box runs the entire length of the boiler. Built with dry back at smoke box end of boiler. The Farquhar patented method of placing a perforated, cast iron lining in the smoke box helps to make this a most economical boiler not only in the use of fuel but greatly prolongs its life. Ample air space is provided between the lining and shell plate. This air space helps to prevent the radiation of heat through the shell-plate surrounding the smoke box, thus conserving heat and assisting the quick steaming which has made the Farquhar Cornish so popular in a wide range of installations.

The double doors (see illustration above) are also fitted with the patented perforated cast iron lining. When the doors are closed, the combustion chamber is completely lined. Provision has been made for expansion and contraction of this lining. The lining is in sections, securely bolted to the shell plate, and cannot possibly become loose when hauled over the roughest roads.

For burning sawdust and fine shavings, we furnish Sawdust Plugs which fit into the draft tubes running from the furnace or fire box through the bottom of the boiler to the ash pit. Where it is desired to use Sawdust or planer shavings wonderful results may be had by connecting the main fire tube with a Dutch oven or Stoker. This Boiler is also wonderfully efficient when fired with coal or fuel oil.

Number on Sills	Rated Horse Power	Waist Diameter	Fire Box		Tubes			Dome		Stack		Approximate Domestic Weight
			Length	Diameter	Number	Length	Diameter	Height	Diameter	Length	Diameter	On Sills
I-15	15	36"	99"	21"	20	99"	3"	24"	16"	20'	12"	5000
I-20	20	42"	102"	24"	27	102"	3"	24"	16"	20'	14"	6700
I-25	25	42"	140"	24"	27	140"	3"	24"	16"	24'	14"	8100
I-30	30	48"	134"	28"	35	134"	3"	28"	20"	4'	19"	10350
I-40	40	48"	134"	28"	59	134"	2½"	28"	20"	24'	19"	10750

FARQUHAR



FARQUHAR SCOTCH MARINE BOILER

This type of boiler is similar to our Cornish Return Flue Boiler. It has fire box or furnace running the entire length of Boiler. Furnace design and construction is of the Adamson type—very efficient, economical in the use of fuel whether coal or oil. The long furnace forms exceptionally good combustion space and the heat units are quickly utilized in generating steam.

This Farquhar Scotch Marine Boiler conforms to the A. S. M. E. Code. Can be furnished for 100 or 125 pounds working pressure. Occupies small space, is completely self-contained, requires no bricking in and very little preparation for setting. The code calls for Boilers 50 H. P. and larger to have two boiler feeds.

Stack Saddle
Rear Cleaning Door and Frame
Front with Flue Doors
Fire and Draft Door
Safety Valves

REGULAR EQUIPMENT

Water Gauge with Combination
Water Column and Pipe
Steam Gauge
Gauge Cocks
Blow-off Valve

Grates
Flue
Cleaner
Poker
Wood Sills

Two Injectors
Smoke Stack

EXTRAS TO ORDER

Oil Burning Attachment
Fire Brick in Combustion Chamber

Jacketing of
Shell and Dome

Note—Rear combustion chamber must be lined with fire brick before firing boiler. This lining can be put in at factory when so ordered.

Rated Horse Power	Diameter of Shell	Furnace		Tubes			Dome		Stack		Extreme Dimensions			Approximate Weight, Pounds
		Diam. of Furnace	Length of Grate	Number	Diam.	Length	Diam.	Height	Diam.	Length	Height	Length	Width	
50	66"	36"	48"	88	2½"	96"	30"	26"	22"	40"	8'-6"	11'-11½"	5'-8"	13400
60	66"	36"	54"	88	2½"	108"	30"	26"	22"	40"	8'-6"	12'-11½"	5'-8"	14200
75	66"	36"	70"	88	2½"	120"	30"	26"	22"	40"	8'-6"	13'-11½"	5'-8"	15200
100	84"	42"	66"	146	2½"	119"	30"	26"	30"	40"	9'-9"	14'-4¾"	7'-2"	21400
125	84"	42"	72"	146	2½"	130"	30"	26"	30"	40"	9'-9"	15'-3¾"	7'-2"	23400